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L1	2778	((703/17,13,14) or (716/4,5)). CCLS.	USPAT	OR	OFF	2005/08/17 12:03

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L1	159	(703/17).CCLS.	USPAT	OR	OFF	2005/08/17 10:42
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L3	0	(harvest adj goal) same analysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 11:01
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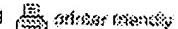
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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

 1. Mixing downstream of a submerged fish cage: a numerical study

Helsley, C.E.; Kim, J.W.;

Oceanic Engineering, IEEE Journal of

Volume 30, Issue 1, Jan. 2005 Page(s):12 - 19

Digital Object Identifier 10.1109/JOE.2004.841389

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Relevance scale

1 [The cost-of-knowledge characteristic function: display evaluation for direct-walk dynamic information visualizations](#)

Stuart K. Card, Peter Pirolli, Jock D. Mackinlay

April 1994 **Proceedings of the SIGCHI conference on Human factors in computing systems: celebrating interdependence**Full text available: [pdf\(838.76 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** 3D user interfaces, dynamic displays, information visualization, information visualizer, methodology**2** [Load-reuse analysis: design and evaluation](#)

Rastislav Bodík, Rajiv Gupta, Mary Lou Soffa

May 1999 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1999 conference on Programming language design and implementation**, Volume 34 Issue 5Full text available: [pdf\(1.86 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Load-reuse analysis finds instructions that repeatedly access the same memory location. This location can be promoted to a register, eliminating redundant loads by reusing the results of prior memory accesses. This paper develops a load-reuse analysis and designs a method for evaluating its precision. In designing the analysis, we aspire for completeness---the goal of exposing all reuse that can be harvested by a subsequent program transformation. For register promotion, a suitable transfo ...

Keywords: data-flow analysis, profile-guided optimizations, program representations, register promotion**3** [Serverless network file systems](#)

Thomas E. Anderson, Michael D. Dahlin, Jeanna M. Neefe, David A. Patterson, Drew S. Roselli, Randolph Y. Wang

February 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 1Full text available: [pdf\(2.69 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We propose a new paradigm for network file system design: serverless network file systems. While traditional network file systems rely on a central server machine, a serverless system utilizes workstations cooperating as peers to provide all file system services. Any machine in the system can store, cache, or control any block of data. Our approach uses this location independence, in combination with fast local area networks, to provide better performance and scalability th ...

Keywords: RAID, log cleaning, log structured, log-based striping, logging, redundant data storage, scalable performance

4 Serverless network file systems

T. E. Anderson, M. D. Dahlin, J. M. Neefe, D. A. Patterson, D. S. Roselli, R. Y. Wang
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles**, Volume 29 Issue 5

Full text available:  pdf(2.48 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



5 Using name-based mappings to increase hit rates

David G. Thaler, Chinya V. Ravishankar
February 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 1

Full text available:  pdf(408.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: World Wide Web, caching, client-server systems, computer networks, distributed agreement, multicast routing, proxies

6 PAR-APLAC: Parallel Circuit Analysis and Optimization

Eero Pajarre, Tapani Ritonиеми, T. Tenhunen
November 1992 **Proceedings of the conference on European design automation**

Full text available:  pdf(532.87 KB) Additional Information: [full citation](#), [references](#), [index terms](#)



7 Tools and approaches for developing data-intensive Web applications: a survey

Piero Fraternali
September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available:  pdf(524.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The exponential growth and capillary diffusion of the Web are nurturing a new generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characterizing ...

Keywords: HTML, Intranet, WWW, application, development

8 Cluster-based scalable network services

Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

Full text available:  pdf(2.42 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



9 Performance issues of enterprise level web proxies

Carlos Maltzahn, Kathy J. Richardson, Dirk Grunwald
June 1997 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1997 ACM SIGMETRICS international conference on Measurement and modeling of computer systems**, Volume 25 Issue 1

Full text available:  pdf(1.75 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Enterprise level web proxies relay world-wide web traffic between private networks and the

Internet. They improve security, save network bandwidth, and reduce network latency. While the performance of web proxies has been analyzed based on synthetic workloads, little is known about their performance on real workloads. In this paper we present a study of two web proxies (CERN and Squid) executing real workloads on Digital's Palo Alto Gateway. We demonstrate that the simple CERN proxy architecture ...

10 Software engineering for security: a roadmap

Premkumar T. Devanbu, Stuart Stubblebine

May 2000 **Proceedings of the Conference on The Future of Software Engineering**

Full text available:  pdf(1.71 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: copy protection, security, software engineering, water-marking

11 Placement algorithms for hierarchical cooperative caching

Madhukar R. Korupolu, C. Greg Plaxton, Rajmohan Rajaraman

January 1999 **Proceedings of the tenth annual ACM-SIAM symposium on Discrete algorithms**

Full text available:  pdf(1.36 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



12 Fast Prolog with an extended general purpose architecture

Bruce K. Holmer, Barton Sano, Michael Carlton, Peter Van Roy, Ralph Haygood, William R. Bush, Alvin M. Desplain, Joan M. Pendleton, Tep Dobry

May 1990 **ACM SIGARCH Computer Architecture News , Proceedings of the 17th annual international symposium on Computer Architecture**, Volume 18 Issue 3

Full text available:  pdf(1.19 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Most Prolog machines have been based on specialized architectures. Our goal is to start with a general purpose architecture and determine a minimal set of extensions for high performance Prolog execution. We have developed both the architecture and optimizing compiler simultaneously, drawing on results of previous implementations. We find that most Prolog specific operations can be done satisfactorily in software; however, there is a crucial set of features that the architecture must support ...

13 Caching: AFS and the web: competitors or collaborators?

M. Satyanarayanan, Mirjana Spasojevic

September 1996 **Proceedings of the 7th workshop on ACM SIGOPS European workshop: Systems support for worldwide applications**

Full text available:  pdf(549.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#)



Over the last few years, the World-Wide Web [2] has risen to dominance as a mechanism for wide-area information access. Each day brings new reports of the growth of the Web, and this trend shows no signs of abating any time soon. To many people, the Web and the Internet are synonymous. Unfortunately, success has exposed many limitations of the Web such as its tendency to overload the network and servers, its limited ability to control access to sensitive data, its lack of mechanisms for data con ...

14 Papers: A web server's view of the transport layer

Mark Allman

October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 5

Full text available:  pdf(1.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



This paper presents observations of traffic to and from a particular World-Wide Web server over the course a year and a half. This paper presents a longitudinal look at various network path properties, as well as the implementation status of various protocol options and mechanisms. In particular, this paper considers how World-Wide Web clients utilize TCP connections to transfer web data; the deployment of various TCP and HTTP options; the range of round-trip times observed in the network; packet ...

- 15 Programming languages: past, present, and future: sixteen prominent computer scientists assess our field**



Peter Trott

January 1997 **ACM SIGPLAN Notices**, Volume 32 Issue 1

Full text available: [pdf\(4.67 MB\)](#) Additional Information: [full citation](#), [index terms](#)

- 16 Privacy and security: an ethical analysis**



Gregory J. Walters

June 2001 **ACM SIGCAS Computers and Society**, Volume 31 Issue 2

Full text available: [pdf\(1.98 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 17 Semantics: A treatment of functional definite descriptions**



Hajime Wada

August 1994 **Proceedings of the 15th conference on Computational linguistics - Volume 2**

Full text available: [pdf\(660.80 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

- 18 Enabling full service surrogates using the portable channel representation**



Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouiantz, Patrick Johansson

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Full text available: [pdf\(282.92 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: content distribution, dynamic content, mirroring, portability, replication, surrogate, web server

- 19 AFS and the Web: competitors or collaborators?**



M. Satyanarayanan, Mirjana Spasojevic

January 1997 **ACM SIGOPS Operating Systems Review**, Volume 31 Issue 1

Full text available: [pdf\(477.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Over the last few years, the World-Wide Web [2] has risen to dominance as a mechanism for wide-area information access. Each day brings new reports of the growth of the Web, and this trend shows no signs of abating any time soon. To many people, the Web and the Internet are synonymous. Unfortunately, success has exposed many limitations of the Web such as its tendency to overload the network and servers, its limited ability to control access to sensitive data, its lack of mechanisms for data con ...

- 20 Summary cache: a scalable wide-area web cache sharing protocol**



Li Fan, Pei Cao, Jussara Almeida, Andrei Z. Broder

June 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 3

Full text available: [pdf\(220.29 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ICP, Web cache, Web proxy, bloom filter, cache sharing

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